

PATENT ABSTRACTS OF JAPAN

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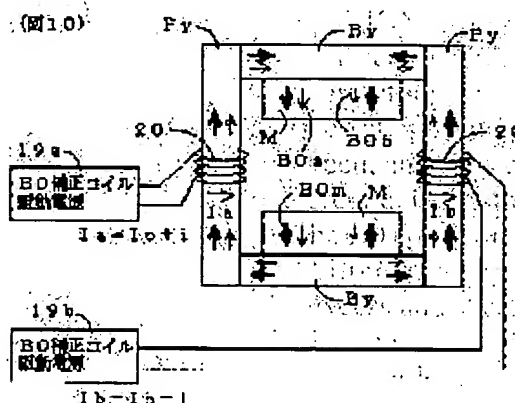
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(54) METHOD OF CORRECTING STATIC MAGNETIC FIELD AND MRI APPARATUS

(57)Abstract:

PROBLEM TO BE SOLVED: To correct the intensity and uniformity coefficient of the static magnetic field of an MRI apparatus.

SOLUTION: Correcting currents I_a and I_b are supplied from B0 correcting coil drive sources 19a and 19b respectively to B0 correcting coils 20 attached to a pair of support yokes P_y located at opposite positions with the imaging region in-between, and correcting magnetic fields B_{0a} and B_{0b} , different either in the direction or the strength, are generated by the B0 correcting coils 20 to be applied to a static magnetic field B_{0m} generated from a permanent magnet M. As a result, the excess and shortage of the intensity of the static magnetic field at the center of the imaging region is compensated with the zero- order component I_0 of the correcting currents I_a and I_b , and the primary ununiformity of the static magnetic field is compensated with the primary component (i).



LEGAL STATUS

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